

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Ted Kell" <kell@mpac.jsc.nasa.gov>
Subject: [5445] A book
Message-ID: <199511131526.KAA151151@nss2.CC.Lehigh.EDU>

I have been reading an interesting book this past weekend, one, that while it may not be QRP, surely ought to be of interest to any HAM interested in the origins of the hobby. The book is "Syntony and Spark - The Origins of Radio" by Hugh G. J. Aitken.

Syntony is a word that I had not met before. Aitken says it is an old one, apparently in use at the time in question. It means, I think, the condition of two systems being in tune with, or being resonant with each other. An example that comes to mind is when you hold a baby and talk to it and the two of you get in tune with each other. It has much broader meanings than resonance. The book covers Hertz's initial studies, _much_ different than I had thought, then covers the work of Lodge (who?) and then goes on to Marconi. There is a lot of information about early circuits and how they were thought to work. All in all, a very interesting.

One small suggestion, follow the authors suggestion and skip chapters 1 and 6, they cover the theory and philosophy of writing about science and technology. They get real deep, real fast. The guts of the book are much better.

Ted Kell
KC5CUW

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [10] Amsterdam
Message-ID: <199511141426.GAA12945@interval.interval.com>

Amsterdam is a great place, sort of the San Francisco of Europe (although the locals like to think of San Francisco as the Amsterdam of North America). Nearly everyone speaks English, making travel easy for an American. But there's no shortage of unique culture; I especially recommend having Dutch pancakes for dinner. I stuck with the bacon and apple, but everything from cheese to chocolate to ginger could be found on the pancake menu.

For the record, when I met Mike (PA3ASC) and Charlos (PA3CKR) for dinner, I had "Darne of Halibut." Hmmm. Sounds like some kind of sewing operation. In fact, the waiter explained, "darne"--a French term--refers to the center section of the fish. He didn't tell me what the French call the head and tail, or what became of such.

I didn't have time for QRP on the trip, but it was nice of Mike and Charlos to meet me in the big city. After a great dinner and a stirring debate on global warming, I tapped Mike's extensive knowledge of resonant circuits. There's always a better way to do things.

I have to say that the Sierra that Charlos brought in is one of the best-constructed I've seen. He had a KC1 mounted on the rear panel, nicely dressed coax cables for signal lines throughout, and a small RF/S meter that I would love to get my hands on. The panel was beautifully machined and labelled.

All in all a great trip, and on top of that, I have to say that Dutch women are nearly all tall, slim, and beautiful. That of course was not a focus of my trip, but a pleasant distraction nonetheless.

73,
Wayne

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Harvey Winters <ve1hdw@fox.nstn.ca>
Subject: [5471] Battery ident
Message-ID: <199511132026.QAA03767@Fox.NSTN.Ca>

I have the following battery and have no idea what the AH capacity is and how I should charge it properly.

Name Dynasty 12400B 22nf Gel

Johnston Controls Milwaukee WI

It has a little plate with the following.

Charge voltage limited to 14.1 Volts 2.35 volts per cell

Any help will be appreciated.

73 de Harvey
Harvey D Winters VE1HDW
ve1hdw@fox.nstn.ns.ca
G-QRP #8973 NE397 CQC177

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: bfollett@ditell.com
Subject: [2] Cascade Comments/Mono Caps
Message-ID: <199511140344.UAA16474@solar.ditell.com>

Larry Wise, KA5T replied to me:

>I hate to show my igerments but what is a 'mono' cap ???

See, I said I had too loosely interpreted Wayne Burdick....

Mono is short for Monolithic capacitors, a construction style applied to both ceramic and silver mica capacitors. My problem in using the term was: small ceramics are bad, S.M.'s are good, in terms of Q's or D measurements relating to associated power loss in a circuit.

Wayne covered all of this before, but extracting his comments relevant to the Cascade:

"If in doubt, use silver mica, or polystyrene, or large, NPO disc ceramics where possible. (Monolithics and mylar caps are all over the map, but are frequently low-Q especially when physically small for their value)".

"TO RECAP: Don't expect physically small (0.15" diameter), minimally-marked, high-value (220pF and up) capacitors from a surplus store to perform well."

Thanks Wayne, I should have said it right the first time...

72, Bob WA7FCU

Bob Follett
Park City, UT 84060 Home Office E-mail: bfollett.ditell.com

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Bob Scott" <Bob_Scott@cpqm.saic.com>
Subject: [11] Cascade Kit
Message-ID: <n1395791322.87326@cpqm.saic.com>

One of the posts gave me an idea and since I am catching up on the digests, I hope no one has thought of it before me. If anyone bought one of the Cascades and for various reasons no longer wants it, does not want to build it, does not want to finish it, etc. and DOES want to

sell it, please contact me direct. I promise anonymity for the seller as I would really like to build one of these critters. Thanks.

73, Bob AC4QO ...

AFA2CY Woodbridge, VA

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: bfollett@ditell.com
Subject: [5454] Cascade Tale --comments/tune up
Message-ID: <199511131616.JAA03518@solar.ditell.com>

Jess NOTFI, wrote about Cascade low power output on 20M:

A short while ago, Wayne B. led a discussion about capacitor loss, with a conclusion to be careful about using small monos with big values (a very sloppy translation-- sorry Wayne) The Low Pass Filters in both Cascade modules pass all the power, and if you used any mono caps in that section, expect some losses...So says John Liebenrood, the designer.

So... get out your Mouser catalog or equivalent, and order replacements using CK05's, or larger ceramic caps.

John also passes along one other tidbit I hadn't heard before. SSB rigs are hard to peak up by wistling into the mike. Instead, place a temp. 10K resistor between U2 Pin 1 and grd. This unbalances the TX Mixer and creates a nice, strong carrier to use for xmit tune-up. (I just tacked one in on the component side between the pin and the closest grd.) John says that he and Doug H. considered adding this "Feature" as a Spot Tune, but it added to the complexity, and they left it out.

Using this feature for tune-up, I could peak my 20M module to 4.5watts out on my OHR Wattmeter after adjusting the spacing on the module toroids...though I still have one mono cap to replace.

Bob Follett WA7FCU
Park City, UT 84060 Home Office E-mail: bfollett.ditell.com

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: dub@profile.net (j. w. thornton)
Subject: [5475] cmos II keyer:
Message-ID: <199511132027.OAA10956@delta.profile.net>

re the hash from cmos III keyer and wondering if the cmos II caused same: I have two of the original cmos II keyers. Both built in the plastic project boxes from radio shack, no shielding or external bypassing whatever and never a problem of any kind. Also feed a 80 meter horiz loop with homebrew open wire with 450 ohm ladder line from back of tuner to wall where it feeds thru. Ladder line is within 2 or 3 feet of the keyer.

"72" Dub WA5YFY

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [5458] Code Speed:Thanks!
Message-ID: <9510138162.AA816289061@smtpgw.ccgate.dl.nec.com>

Gang:

Many, many thanks for all the kind words, advice, and encouragement you all have given in my request for hints and kinks on increasing one's code speed.

Many good techniques on various ways of increasing speed, (mostly on receiving). Every person is different, but the best tips I got seem to be the "forced" method :^)

That is to say "force" yourself to copy while driving around town, when you (probably) won't be able to fall back to the habit of writing down your rx. This forces you to copy in your head, concentrating more on word comprehension and less on character-by-character style. Speed should increase naturally by training your gray cells to listen and concentrate purely on the code, rather than translating and writing down on paper.

The best advice I got was probably the simplest and the one with the most common sense: be patient, the speed increase will come in time. (and) HAVE FUN!! This all isn't worth anything unless you are having fun and derive joy from it! The more you make it into a chore, the more your brain (subconsciousness) will dread it and you will turn it off.

So.... to all those who are having trouble increasing their cw speed above 20 wpm HAVE FUN and RELAX!!

I still will be very grateful to anybody else who wants to

give me their code speed increasing ideas/techniques.

Thanks again to all.

73 de Dave KK5HA (lotta dits)
kreinbd@ccgate.dl.nec.com

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Bill Kelsey - N8ET - Kanga US" <kanga@brutus.bright.net>
Subject: [5489] Corrections to KK7B 20 cw xcvr - Nov QST
Message-ID: <199511140206.VAA06284@brutus.bright.net>

Here is a list of corrections to the article in Nov 1995 QST by Rick Campbell - KK7B

This may or may not be complete. It consists of corrections that Rick mentioned to me in a telephone conversation we had, corrections I have seen mentioned on the Internet, and some I have come up with myself while constructing the rig. It includes only comments on the TX circuit - I already had a miniR2 built up and did not check the circuit. I have been told that the pinouts for the IC's in the miniR2 do not agree with those on the PC board I supply, but that they do work. Also - the +/- indication on U4A and U4B are reversed - but the pin numbers are correct.

1. L1 - tap at 6 turns from ground.
2. The RIT / CW offset transistor should be a 2N3906 - not a '3904
3. The phasing "dots" on L2A and L2B should both be near the same 100 pf cap for each inductor. In his original writeup in SPRAT on this particular part of the circuit, Rick indicates the wires are wound in parallel rather than twisted together.
4. The keying transistor (2N3906) at the top right of pg 42 has the emitter and collector swapped.
5. L9 is 29 Turns on a T37-2 core.
6. The 390 pf cap connected to the collector of the 2N3866 should be 220 pf.

The above are all the corrections I am aware of. I built one of these up "ugly" style - and am very please with the way it performs - at least on the instruments - I have not gotten a connector on it yet so I can put some RF to an antenna!

If anyone finds any other mistakes or corrections - please let me know and I will post updates.

I will be coming up with a "bag of parts" kit for the TX part of this rig (I already have the miniR2 as a kit) - I'll announce price/availability on the list in the next few days.

73

73 - Bill Kelsey - N8ET

Kanga US

kanga@bright.net

419-423-4604

<http://qrp.cc.nd.edu/kanga/>

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995

From: Johnson_Dan@AAC.COM

Subject: [5463] CQ QRP DE W1AW

Message-ID: <9511132203.22763.ab@SMROUTER.AAC.COM>

I guess it was Saturday sometime, the log isn't here. I was messing around here in NoVA with my Micro-30 receiver on 40M, trying to figure out whether to disfigure it by adding an RF preamp for full break-in QSK or an AF amp for a speaker, when W1AW came booming through the R/S headset. Hmmm, a CQ a few kc above the band edge, better answer than that one. So, I fired up the other, fully operational rig and adjusted for 4W out.

Got 'em, first try. He truncated my call until the end but gave me a 569 or thereabouts, though he didn't copy my station vitals, explaining his unfamiliarity with the rig's controls. Guest op, no problem. Zee brain, maybe she shuts down a leetle bit when on vacation, and at a place like W1AW, one probably doesn't expect a wee bitty signal returning to your call first thing, not in the DX-linear wasteland, anyway.

So I finished with W1AW and heard a station calling me a kc down just to say that I was S7 in NH with my 4W. (Wish I had my log here so I could pass along his name and call with more thanks.) That was kind of him considering that the report from CT was, well, somewhat ambiguous.

Here's the cool part. A while later, half hour, hour, something like that, I'm still messing with the little RX but in more familiar territory around 7040 and hear, with the same signal level (S9+1,000) as before, CQ QRP DE W1AW. Boom. Pileup. Oh, yeah, right, ten stations all duplicated Ernie/W8MVN's monster loops up 80 feet. W1AW answers nobody. Another CQ QRP DE W1AW, another pileup, no answer. A few stragglers, no answer. I called once, /QRP, no answer.

Wonder what happened, like maybe W1AW can't work other QRP stations without attracting a QRO pileup, got discouraged, went away. Seemed so. Maybe if

W1AW called at QRP levels itself (or are its antennae that good?), QRO stations would assume bad prop and not bother.

Anyway, I just found it interesting and a little startling to hear W1AW trolling for QRPers.

Oh, I opted for the AF amp. The 1W kits scanned half price at R/S so got two. Say, they do work!

72 de KC4EWT
Johnson_Dan@aac.com
Herndon VA

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: plquick@facstaff.wisc.edu (Paulette Quick, N9OUH)
Subject: [5453] Four Days in May (c)starts on a Thursday
Message-ID: <v02110100accbcbf0a99d@[144.92.104.135]>

Gang,

When you hear me say "Wednesday" for the QRP day at Dayton, slap my wrist. I seem to be fixated on that day, probably because that's when I'll be on the road.

The QRP day at Dayton will be THURSDAY. I'll put up a sign to remind myself here at work.

On with the planning.

72 de N9OUH
Paulette Quick
plquick@facstaff.wisc.edu

P.S. I didn't pass the written Extra. Guess I need more study time. I'll try again either in two weeks (if the weather allows a two hour trip) or on the second Saturday of December.

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [3] FOX SCHEDULE CHANGE
Message-ID: <9511140421.AA06882@gvlf6-a>

*** FOXHUNT SCHEDULE CHANGE ***

NOTE:: THIS APPLIES TO THE WEEK OF NOVEMBER 27th.. ** NOT THIS WEEK **

I will NOT be unable to keep my originally scheduled FOX appointment on Thursday evening November 30th EST (Friday Dec 1 UTC) as posted in the initial FOXhunt schedule... So, with Chuck's permission, I am moving my time up one day:

Wednesday evening November 29th EST (Thursday Nov 30 UTC)

I am posting this now so I don't get accused of not giving sufficient advance notice :-)

For now, I expect to keep the same time (9-11 PM EST) 0200-0400Z, however, based on how propagation has been running, I have been considering changing the actual time period also... and thought, why not see what the FOXhunters would prefer. I can do any 2 hour slot between 0000z (7 PM EST) and 0500z (midnight EST). If I receive overwhelming indications that a different time slot would be preferred, then I may change. I will spend at least 1/2 hour in the Novice band.

But the important thing is that the day has been moved ONE DAY EARLIER. So mark your calendars. Another notice with specific times and frequencies along with any time changes will be sent out a few days prior to the hunt.

Pete Rossi - WA3NNA

rossi@vfl.paramax.com

Loral Defense Systems-Eagan (formerly Unisys Government Systems Group)
Valley Forge Engineering Center - Paoli, Pennsylvania

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995

From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: [5482] FOX: K5FO Report

Message-ID: <199511132305.XAA20310@chuck.dallas.sgi.com>

Gang,

Here is my log from the Monday night special. Nov 6, 1995 CST.

It was very noisy on 40M for some reason. I attribute most of it to the rain and local QRN, but who knows.

November 7, 1995 (UTC)

TIME	STATION	FREQ	HIS	MY	SPEED	NAME/QTH(miles)
0201	K9DZE	7.113	559	559	15	Al Michigan City,IN(821)
0205	W00Q	7.113	559	569	15	Marty Steamboat Springs,CO(768)
0212	NZ4I	7.113	569	339	18	Ranson Blacksburg,VA(975)
0223	WA9PWP	7.114	449	449	15	Paul Madison,WI(816)

---moved to 7.040 area at 0230 GC-1000 showed no lock on WWV a bad sign---

0233	K2NF	7.044	559	449	20	Norm Orange City,FL(955)
0238	W1HUE	7.044	449	439	20	Larry Idaho Falls,ID(1103)
0241	AB7JX	7.044	579c	449	20	Russ Phoenix,AZ(884)
0245	AA0XZ	7.044	559	549	20	Greg Columbia,MO(494)
0246	KE2WB	7.044	579	579	20	John Augusta,GA(854)
0248	N4AOX	7.044	579	579	20	Clay Alcoa,TN(760)
0248	N3KFL	7.044	559	559	20	Al Lemont,PA(1183)
0252	AA2WJ	7.044	449	339	20	Rich West Seneca,NY(1197)
0257	N3KFL	7.044	559	339	20	Al Lemont,PA(1183)
0300	AA2PF	7.044	559	339	20	Dave West Seneca,NY(1197)
0305	K3TKS	7.044	339	559	20	Danny Silver Spring,MD(1186)
0308	---digital critter started on freq---					
0309	KF8SG	7.045	569	449	20	Ben Garden City,MI(987)
0313	N6ULU	7.045	559	229	20	Stan Watsonville,CA(1441)
0319	WB8RUQ	7.046	559	549	20	Ron Milford,MI(987)
0323	N3PM	7.046	559	569	20	Joe Odenton,MD(1202)
0326	---had to move off freq---					
0337	---moved back as noone heard me down 2---					
0337	WZ2T	7.046	449	229	20	Rick Malone,NY(1462)
0346	KC4EWT	7.046	559	449	20	John Herndon,VA(1164)
0356	KE6YAR	7.046	569	549	23	Fred San Diego,CA(1187)

Send me email if I messed it up.

Summary:

22 Contacts

16 over 1,000 miles/watt which, when you run QRPp is relatively easy to do when the band is open.

Sorry for the delay, but last week was an 80hr week at work and exhausting. Same for this week most likely.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [5483] FOX: Tuesday Night
Message-ID: <199511132310.XAA20357@chuck.dallas.sgi.com>

Gang,

VE7CQK, Paul, in Vancouver VC will be the alternate fox tomorrow night. We'll just see how long the band is and get someone on the west coast involved early in the season. I had several people volunteer and we thank you.

Paul will give details on his time interval of two hours.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [5484] FOX: Tuesday Night
Message-ID: <9511140008.AA15277@wizard.ucs.sfu.ca>

Well, looks like I get to put my money where my mouth is...

The schedule for tuesday (wednesday utc) will be as follows:

0001 - 0030	7110+
0031 - 0100	7040+
0101 - 0115	7110+
0116 - 0200	7040+
0201 - 0215	7110+
0216 - 0400	7040+

Yes, that is 4 hours. Will try to maximize the chances within hearing range on this side of the continent.

For those who are interested, the setup is a modified hw-8, 40ft vertical, and a random loop at about 25 feet. Will probably use the vertical almost exclusively, but will have the loop for those too close for the vertical.

Will keep the cq's about 20wpm but will slow to any speed required to make contact.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: David Adams <dave@flowserver.stem.com>
Subject: [5464] Help!!! Tragedy! Need mike
Message-ID: <9511131854.AA02985@flowserver.stem.com>

Okay...bear with me guys as this isn't exactly qrp, but you guys tend to have the best stocked backshelves in the business.

Yesterday, I had spent 3 hours repairing the tr board of an old kenwood 2m ht...lot of work, but I fixed it...left it laying on the side of the desk...As the iron was hot, I decided to fix the ptt on my old d-104 mike. Fixed it...no problem, but then found I was getting bad, or no, audio. I noticed that the fitting to the stand was loose fixed it. Still no audio, so I pop open the element case and viola! That old foam rubberish insulation they used had transformed into a black, oily goo and one needed only to any remaining to have some fresh goo...Well, I was shorting the leads against the case so I used some cutex to remove the goo and proceeded to insulate the leads. Plugged her in without reassebling the case and bingo! We're up and flying again!

Now, for the bad part.

My daughter knows the rules of the house. She knows she can come to the radio station to visit a parent anytime AS LONG AS THE TOOLS AREN'T OUT! She's only three, but she knows what that means. (She also knows that If I hand her the mike she should hold it and say CQ CQ this is n9uxu...kinda cute really). Anyway, she's very good with this setup, but unfortunately her favorite toy was missing. I have tools all over the floor (I don't have a workbench...I'm in an apt and have my desk...tools end up on the floor). She comes running, in tears, to her daddy to help her...She steps on a screwdriver handle (begin slow motion). Child is falling...quick...drop mike or grab child...tools all over floor...I

envision a torn mangled face...no contest...drop mike...it falls to the floor and snatch child from doom inches off the floor. I comfort her and decide to help her find the toy...I stand up...CRUNCH...so much for the d-104...I groan...and go help her find the toy.

Upon return, I smell something...bad...very bad...I look at the bench...the soldering iron is sitting on top of my radio's...on top of what was my radio's transmit board...argh...foot snagged the cord when I grabbed Brittany...ah well...I pick up the mike element...I hold services for it's passing...

Bad day...

Anyway, I NEED a mike for my ts-520 this weekend. I don't do a lot of contesting, but I always do both parts of the sweepstakes! Please, if anyone has an old mc-50 desk mike lying about they could sell or rent briefly, PLEASE let me know asap. I called HRO about buying a new mike and, well, that's out....Lemme know!

73 de dave, n9uxu

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: George.Gingell@bbs.abs.net (George Gingell)
Subject: [5451] KANGA US
Message-ID: <1995Nov13.104829.21980@abs.net>

PETER, N2KPY Requested Email Address for Kanga US...
kanga@brutus.bright.net
Bill Kelsey, N8ET (419)423-5643 7-11 PM EASTERN TIME
QRP DX TU (C)1986 Danny Gingell,K3TKS@bbs.abs.net

--

George Gingell, user of the UniBoard System @ abs.net
E-Mail: George.Gingell@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [5479] List server space for A1 (Einstein)
Message-ID: <m0tF7M3-000AsNC@rcp.net.pe>

Adam has a point there - why not have the qrp-l in sections? One could subscribe to "all" or just the sections desired. It would make reading the Sunday paper easier.

Kris
OA4DB0 (multiple lists are the way to go!)

From qrp-l@lehigh.edu Tue Nov 14 14:47:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [5444] NC40a
Message-ID: <199511131351.NAA19227@chuck.dallas.sgi.com>

Looks like I have enough callers. Thanks.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Tue Nov 14 14:47:00 1995
From: DYARNES@aol.com
Subject: [5456] NorCal/Wilderness Kits
Message-ID: <951113091425_105099988@mail04.mail.aol.com>

Put this in the "for what it's worth" department. I built the NorCal 40A (Wilderness Radio version) and guess what? IT WORKED--and very well I might add. Then I decided to go ahead and try putting the KC1 into the 40A. I finished it Saturday and guess what? IT WORKED---and again very well.

That's two "IT WORKS" (the first time) in a row for me. That may be a record! I'm starting to think this guy Burdick may know what he's doing!!

Seriously, I think it is important to give credit when it is due. I think that applies here. I don't have a thing to do (financially, etc.) with Wilderness, but they have certainly done right by me. I've had a couple of discussions with QRP Bob (KD6VIO) and he has been most informative and helpful, on these kits as well as other QRP matters. These kits are QUALITY products from what I see. I think I have done enough kit building and seen enough garbage kits to know the difference. I know that there are some other companies out there also doing a very fine job, but I can attest to this one.

Sooooo, if you are looking for a good therapeutic project (these kits tend

to keep you off the streets and out of the bars--which believe it or not, has turned out to be cheaper!) give one of these a try. I'm gonna try a Sierra next.

73 de David W5RMZ

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [5469] OHR EXPL 20
Message-ID: <9510138162.AA816299331@smtpgw.ccgate.dl.nec.com>

Folks:

Anybody have any experience with OHR Explorer for 20 meters? Mine works pretty good, but the rx seems to lack the sensitivity that my MFJ-9020 has. The filtering "feels" a bit tighter than the MFJ, but the weak signals are just not there.

I tried the mod that was posted here a few weeks back. This was to change R8 on U2 (5334) from 560 ohms to 2.2k ohms. This slightly changed the audio level, but seems to still be muffled. The posted mod was for the 30 meter Explorer, but this circuit is the same in both rigs.

If anybody has experienced this, or has suggestions, please write. All other aspects of this rig are working well, and the alignment went well too.

Tnx!
73 de Dave KK5HA (lotta dits)
kreinbd@ccgate.dl.nec.com

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Dquagliana@aol.com
Subject: [5461] QRP and Tandy Model 100/102/200 laptops (GEM: main tuning knob)
Message-ID: <951113130501_21035693@mail06.mail.aol.com>

Is there anyone else out there who is a QRP fan and who uses one of the old Tandy laptops (Model 100, Model 102, or Tandy 200) ??

I would be interested in hearing about any amateur radio applications.

For the rest of the world: The original Tandy Model 100, first sold in 1983 was one of the first laptop computers ever, although I guess you would consider it a QRPp computer by today's standards.

Originally sold with about 8k of RAM it ran on 4 AA batteries, had a small eight line screen, and built in ROM applications such as a telecommunications program, a word processor, and a BASIC interpreter. Also standard features were a 300 baud internal modem, serial and parallel ports and cassette port for saving data/programs to a tape recorder. The Tandy 102 was a later version of the Tandy 100, and the Model 200 was a clamshell (flip-top) type laptop largely compatible with the Model 100/102, but with three banks of 24k RAM and a larger 16 line screen.

ObQRP: The plastic screw-top lid from a container of Nescafe instant coffee makes a great main tuning knob. The lid is three inches in diameter, and a one inch "ribbed" lip.

Doug KA2UPW
dquagliana@aol.com

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [5460] QRP antennas
Message-ID: <Pine.OSF.3.91.951113120431.17644A-100000@curly.cc.utexas.edu>

Hey gang,

In the interest of getting the most rf into and out of the antenna, I have wondered whether I would be better off feeding my 40 meter delta loop with coax or open-wire feedline. I currently use coax ala the 75 ohm transmission line transformer and 50 ohm coax right into the qrp rig. But the line loss is lower with the 300 ohm twin lead, right? But I would have to use a balun and a tuner...so does that increase the loss? Wonder if anyone has experimented. I get fairly decent reports with the delta loop even though it is running through tree branches, is sloped and not vertical and does not have equal length sides.

I also thought I would pass on a trick I have used since the early 1960's for keeping the antenna connections weather proofed. I first used this with an 80 meter double bazooka. I used casting resin and embedded the coax connections in small plastic boxes, filled the plastic box with the casting resin and let it set up overnight. I would put an eye-hook in the top corner of the plastic box along with the coax so I would have something to hang the center feedline with. My first antenna lasted

nearly 20 years. The coax outer braid eventually wore through from blowing in the wind. I built a second one recently and get really excellent reports on 75 meters QRO operation (100watts). I haven't tried it with QRP, but I doubt there is much additional loss from the casting resin. It appears to be a pretty good insulator.

Will look for your comments on the delta loop feedline.

Thanks for the advice,

Gary, KJ5VW

P.S. If you think hunting the FOX is hard, try doing it with a crystal controlled transmitter. I haven't connected yet, but I keep waiting for one of the foxes to fall within 7041.3 plus or minus 500Hz. I'll be there waiting when they do.

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [5476] QRP QSO Format
Message-ID: <951113220730_75230.1405_HHB6-2@CompuServe.COM>

[Ref: comments from Dale, KB0WZ]

>>Why so many negative comments regarding a format for QRP QSOs? Seems like a
>>reasonable idea to me, Marshall. The first things I want to know in a QSO
>>is QTH, RST and name. After those are taken care of, we can talk about
>> anything we want to talk about.

Precisely! I don't why the the negative comments, and so quick off the mark, unless there was a feeling I was suggesting More &^%\$# Rules [g].

Thanks for your comments, and by all means start using a format like the one you suggested! Who cares if it is seen as a standard or not, it will shorten your anxiety period.

I'd even go a step farther, right off the bat. If a guy answers my call and I am a bit concerned about conditions, I'll just send 339QSB 339QSB CO CO HW? BK That way he knows conditions are marginal, but he's got a 339 report from Colorado. Next time, after I've got a report from him that tells me how good or bad he's hearing me, I'll know how to send name and "real" QTH. And away we go.

Thanks for the feedback!

73/72
Marshall
AA0XI/VK5FN

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: rohrwerk@netcom.com (John Seboldt)
Subject: [5450] Signing QRP
Message-ID: <199511131518.HAA05244@netcom2.netcom.com>

I've pretty much stopped signing /QRP except perhaps in response to someone else who has while calling CQ as kind of a "solidarity" thing. If they copy you, they copy you; if they don't, they don't.

What I find kind of funny is, after getting a nice solid 569 or better report, I tell the other guy I'm running 5 watts, and then he suddenly starts putting /QRP after my call all the time!

: John Seboldt rohrwerk@netcom.com / CW: It don't mean a thing
: K0JD... Minneapolis, MN / if it ain't got that swing!
: My R2/T2 station described in / Di dah, di dah, di dah, di dah...
> <http://www.lehigh.edu/lists/qrp-1/k0jd/index.html> <

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [5477] Signing QRP
Message-ID: <951113220738_75230.1405_HHB6-3@CompuServe.COM>

[Re Chuck's comments]

>>I have been using K5F0/QRP on all my CQs for the past three
>>years. I have not once had a problem with a QRO station
>>that I have called abruptly closing the QSO due to my being
>>QRP.

Ah, but just because you haven't had a problem with it doesn't mean it hasn't happened! You've got no way to know how many stations have heard you calling CQ and declined to answer because you signed QRP. And if you answer a CQ and the guy doesn't come back to you, you can't know whether it's because he didn't hear you or because he didn't want to hear you.

Sometimes it's obvious, i.e. when a station gets your callsign right on the

first go but says SRI NO CPI. I've even heard "SRI DONT WORK QRP" believe it or not.

Other times you can infer it from circumstances, as happened to me the other night-- I was there when the guy tuned up, sent QRL? and called CQ. I answered (signed QRP) and he vanished. 30 seconds later I heard him calling CQ a few KHz away. Such inferences are always suspect, of course, and it may be that he couldn't hear me well enough to copy, or he knows me and hates me for some reason.... Who knows? Maybe I'm a little paranoid, but unless I'm in a known QRP hangout I leave it off.

>>Stations that are running the high dollar rigs with high
>>dollar antennas will work you.

True. And some of them will go out of their way to do so.
It's common ham courtesy to try to work anyone who takes the trouble to call you, but unfortunately common ham courtesy seems to be a bit less common than it was a few years ago.

But look at it this way-- maybe signing QRP is seen as begging for special treatment [g]. And running QRP is, after all, only one of the "handicaps" you can work with. Why not have special suffixes for "Bad Antenna," or "Poor Morse Op", or "Crummy Receiver" ? [G]

73/72
Marshall
AA0XI/VK5FN

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Bob Scott" <Bob_Scott@cpqm.saic.com>
Subject: [6] Sinclair Oscilloscope
Message-ID: <n1395801455.77361@cpqm.saic.com>

I have a Sinclair SC110 Oscilloscope. I accidentally threw out the plug in power supply and am in need of a new one. If anyone knows of how I can contact Sinclair, that would be most helpful. I do not have any documentation so I do not know of its power requirements, etc. Any help would be appreciated. If you have a junker, I might be interested in purchasing it if the power supply works. Thanks again.

73, Bob AC4QO ...

AFA2CY Woodbridge, VA

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995

From: V\$BCIESLAK@china.qgraph.com
Subject: [5447] SS summary
Message-ID: <01HXL85XKGEQ012H8V@hub.qgraph.com>

It seems that all the ss cw reports have been sent over the last week,
so here's a summary based on what I pulled off the net. Accuracy not
guaranteed, unless otherwise noted it is assumed all were QRP stations.

Call	QSO's	SEC's	Score
K0FRP	690	73	100,780
WB8RUQ	460	67	61,640
W03B	363	69	50,094
KD7S	308	66	39,864
WA3NNA	252	66	33,264
AE9K	237	67	31,624
AD4ZE	211	63	26,586
K5FO	199	66	26,268
W5TEH	199	65	25,820
AB5WB	182	63	22,932
W5RMZ	194	59	22,892
K06KA	178	61	21,716
KD4HZ	141	59	16,638
AB5OU	150	55	16,500
WW7Y	105	67	14,070
W9ZSJ	113	47	10,662
KC7NEV	82	39	6,560
WB4IUY	41	36	2,952
W4QO	20	15	600
KA3MHW	19	11	418
VA3JFF	11	10	220
KA5T	10	8	160

CHECKLOGS

NS80	237	70	33,180 OPERATED CLASS A
KH6CP/1			70 k MORE DATA NEEDED

i THINK i GOT EVERY BODY, IF NOT AND YOU WANT TO BE ADDED TO THE LIST
LET ME KNOW YOUR SCORE. ALSO SEND ANY CORRECTIONS.

73,
BRIAN AE9K

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: NYOUNG@nova.wright.edu
Subject: [5486] Syntony, sintonia, libros & otros remedios
Message-ID: <01HXLTCVB4AS8WXQ3T@nova.wright.edu>

Ted Kell (KC5CUW) mentioned a book with the word "Syntony" in the title, syntony meaning tuning, as in tuning a radio. It's not in my AH dictionary, but I do know the word from Spanish. It's on the front of every one of the Collins radios that went down on the General Belgrano during the Malvinas/Falkland Islands conflict/war. It meant "tuning" and if memory serves, the radios that I saw (on the Veinticinco de Mayo, the Argentine a/c carrier that did not get blasted to the bottom) had the word "sintonia" on the knob that peaked the input circuits on tuned-input radios with tubes inside. So that's one.

Two, I was warned. I got the catalog from Antique Electronic Supply today and, against all advise, started from the last page. Holy cow, kimo therapy, I had no idea that there were that many wild-eyed old radio books around. And I thought that letter-press lunatics, with their hand cast type and old Intertype machines were nuts!

But at least I know where I can find those neat slug-tuned input/oscillator/antenna coils now. Or those imported cat's whisker doodads for tuning radios that work for free. Or knobs like used to go on Atwater Kent radios (about which I learned from my father 'cause he said he'd had one.) And worse than that, there's these kits on pages 16 and 17. One-tube regen sets with spider web coils (like on the back of the Zenith radio that went from the kitchen to my bed room one Christmas...). Or the kit (believe this one!) for a "Fox Hole Radio." Now there's one to throw at a electronics circuits class. I can see 'em all now, scratching their heads and thinking "A radio out of a razor blade? This prof's nuts. I'm droppin' this sucker."

So now I have more wild stuff to wanna get. At least it's educational.

Three, I am about to spring for the GRC 109 set up that Fair Radio Sales has in their catalog. One of the posters here sold one recently, so I know that folks are out there with 'em. I'm looking for hints and kinks. As in: Did yours work when you turned it on? How much jiggling and fiddling did you have to do to get either tx or rx working? And most importantly: Do I really need the xeroxed at a high price "tech manual partial repro" to figure this beast out? Remember, I'm an idiot who used to work at Drake.

With that, I have exhausted your bandwidth. Cheers! Xosh!

73

Nils

WB8IJN &c

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: David Adams <dave@flowserver.stem.com>
Subject: [5472] Tragedy addendum
Message-ID: <9511132028.AA03161@flowserver.stem.com>

The mike is for a ts-520 (4 pin connector)

Dave

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: David Adams <dave@flowserver.stem.com>
Subject: [5485] Tragedy no more
Message-ID: <9511140010.AA03727@flowserver.stem.com>

An MC-50 is on the way...even pre-wired for my rig! God Bless the list!

73 de dave, n9uxu

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: bkmak@airmail.net (Bob Kmak)
Subject: [8] VN88AF VMOS FET
Message-ID: <9511141358.AA12779@server.iadfw.net>

Hi folks,

Does anyone know where I can get a VN88AF VMOS FET? I'm thinking of building a 10 meter transmitter from QRP Classics that uses one as a final amp. Mouser doesn't seem to have it. Reply directly to me and I'll summarize for the list.

thanks,

Bob KC5RAS

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Mike Robinson <miker@cc.com>

Subject: [5457] What a weekend?
Message-ID: <9511131659.AA10183@voder.nsc.com>

Boy did I have a great weekend at the ham shack.

Saturday morning there was an amazing opening in just about every band. 30M was jam packed, I've never seen it so busy. So I decided to look around at the other bands. On 15M I heard JA's booming in. The first one couldn't hear me, but JA8DVN came right back. My antenna is an end fed Rain Gutter. I normally run about 35w. I figure by the time it gets off the aluminum, it's qrp. To work JA8DVN, I had to give him 75w. But way cool, my first real DX.

I've been trying, on and off, for months to work the RS12 satellite. Finally got it this weekend. Worked a total 4 stations.

What a kick to bounce off a repeater, 600miles up!

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=====
7.3 de Michael aa0ub | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB 72"
=====
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From qrp-l@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Robert J. Gobrick" <rgobrick@public.compuserve.com>
Subject: [5478] Where is Ham Radio and the Internet Going?
Message-ID: <199511132316.TAA22042@public.compuserve.com>

QRP-L Gang and Steve - our WWW QRP-L Host,

If any of you net surfers want to get wet your toes wet in some Texas "Gulf of Mexico" surf then check out the work that Greg Jones WD5IVD, the President of the Tuscon Amateur Packet Radio (TAPR) group did with the TAPR WWW Homepage.

Bring up: <http://www.tapr.org/tapr/index.html>

for a real treat and experience the world of "RealAudio". So you think digitized audio is not possible with simple QRP setups - think again - the

future is around the corner.

Enjoy 73/72 Bob V01DRB/WA6ERB

PS: Sorry to say - if you don't have a "real" internet connection that gets you on to a World Wide Web homepages then you're going to be just washed out to sea in the undertow and never heard from again.. Ham radio is changing: dah-di-dah

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| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@public.compusult.nf.ca |
|                bgobrick@terra.nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
```

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: ji3m@scubed.com (James R. Duffey)
Subject: [5446] Won't make Fox on Tuesday
Message-ID: <v02130501accd0cb97d1f@[192.31.66.240]>

Fox Hunters-I will be unable to be the fox this Tuesday, Nov 14. Due to a change in scheduled commitments by someone else, I have a meeting on Tuesday night I can't really get out of. I have notified Chuck. I don't know what he wants to do, but I hope that I can make it up later.-Duffey KK6MC/5

James R. Duffey ((505) 764-3143)
Maxwell Laboratories, S-Cubed Division
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4125
ji3m@scubed.com

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: BOB.LIESENFELD@hamlink.mn.org (BOB LIESENFELD)
Subject: [5] WORKING QRP
Message-ID: <816307338.AA04221@hamlink.mn.org>

Hi gang,
Well I too have had my share of troubles when using QRP. I once called CQ, was called by a W7 I think it was, and proceeded to have a pretty nice QS0. Then I told him I was running QRP.

The W7 then proceeded to read me the riot act about how I was making him work so hard when all I had to do was turn up the drive. (I was running a TS-430S). After he was done venting, I said "sorry you feel that way" and signed with him.

Another example of one of the ills of our society, *I* made the choice to run QRP, *he* made the choice to call me with the level of difficulty my signal represented, then when he learned of my equipment status, *he* had a problem with *my* choice. He didn't realize that only *you* can make choices about *your* behavior, and only *you* can take responsibility for them.

Sorry....I'll get off my soapbox now. ; -)

72 Bob WB0POQ

Technology is OUT of control.....

---NoSnail v1.17

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34 Ham Radio Spoken Here!!
- 612/HAM-1010 v.32b Reply to sender @ hamlink.mn.org

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: lewise@bga.com
Subject: [5462] Re: Cascade Tale --comments/tune up
Message-ID: <9511140054.AA0109@localhost>

Gang:

I hate to show my igerments but what is a 'mono' cap ???

Is it possible that I'm not the only one that don't know???

- - - -

Larry E. Wise KA5T lewise@bga.com
206 Sinuso Drive 512-863-5870
Georgetown, Texas 78628-1520

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Bill Acito 13-Nov-1995 1522 <acito@asdg.ENET.dec.com>
Subject: [5474] re: CQ QRP DE W1AW
Message-ID: <9511132033.AA24335@us1rmc.bb.dec.com>

Johnson_Dan@AAC.COM wrote:

|Anyway, I just found it interesting and a little startling to
|hear W1AW trolling for QRPers.

Depends on who's running as a guest op. I've driven down and
deliberately put W1AW on 30 and 40m, either calling for QRP, or
operating as W1AW/QRP, even worked a few people on this list.
I've put both an Index Labs and a Norcal 40 on W1AW's farm.

The toughest thing is the concern by some of the station ops as
to putting strange rigs on their system and using their call; I
can understand the fear of embarrassment if W1AW ever got some
sort of pink-slip. :-)

They analyze all the station rigs they get in the lab before they
put them on the air. I've had one who didn't care, and one who
requested I not use my own rig (a QRP+ that particular time; I
had to make due with the Icom 781... took 10 minutes to find the
RIT, AF Gain, and narrow filters on that beast). Have the Wayne's
and Bob's got any type-acceptance data I can take with me next time?

b

(QTH within an hour of W1AW)

. - I own my own words -

Bill Acito

acito@asdg.enet.dec.com

|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS ... qrp-ne ... qrp-arci ... norcal ... arrl life ...

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995

From: "George C. Dorner" <gdorner@harper.cc.il.us>

Subject: [5481] re: CQ QRP DE W1AW

Message-ID: <Pine.3.87.9511131617.A22771-0100000@hp-h50.harper.cc.il.us>

More evidence of interest in QRP at ARRL: I worked K1ZZ in the SS and he

asked me how much power I was running!

geo

George C. Dorner	gdorner@harper.cc.il.us
Technology, Math, & Physical Science Division	CIS 70536,106
William Rainey Harper College	w9zsj@ke9yq.ampr.org
1200 W. Algonquin Rd.	
Palatine, IL 60067-739	Sometimes you think ..Welllll..
(708) 925-6445	.. and other times you just don't know!

From qrp-l@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Robert J. Gobrick" <rgobrick@public.compuser.com>
Subject: [5455] Re: Meeting Wayne in Amsterdam
Message-ID: <199511131721.NAA14717@public.compuser.com>

Hi Charlos,

Oh nooooo - Now we are going to get embroiled in international trade secrets on QRP designs for antennae tuners. Pretty soon we will have Interpol, CIA maybe even the Dutch PTT involved in breach of secrecy on the QRP-L internet link - hi.

Thanks for the "teaser" Charlos - we will have to interrogate Mr. Wayne when he returns to North America..

733/72 Bob VO1DRB/WA6ERB

At 11:13 11/13/95 GMT, you wrote:

>
>...well, I know this is a teaser but:
>Wayne had some rather exciting ideas about tuners which he
>was prepared to discuss, provided we kept them secret for
>a while...
>
>charlos potma, PA3CKR,
>charlos@rivm.nl
>>
>> Charlos,
>>
>>.....

>> By the way - curious about your statement " Wayne and Mike entered into a
>> debate concerning various antenna tuner circuits but soon came to the usual
>> QRP conclusion that things could be done better >and< simpler yet..." So
>> what new ideas did Wayne and Mike discuss..

>>

>> Caio 73/72 Bob V01DRB/WA6ERB

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| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@public.compusult.nf.ca |  
|               bgobrick@terra.nl.net.nf.ca |  
| Compuserve:   70466.1405@compuserve.com |  
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From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995

From: JEVERHART@cayman.vf.mmc.com

Subject: [5449] Re: Mo' tn timer & some stuff about old radio madness

Message-ID: <951113104013.22644a0b@carib.vf.mmc.com>

Preston,

Wow, Carl and Jerry. Haven't heard about them for a few years!

My favorite episode was when they built tiny rigs (cw) that they could use clandestinely in High School. Think they did some bogus mind reading stunt or something.

Being in High School at the time, myself, I was intrigued. But resources were slim so I couldn't build up a real xmtr and rcvr. Instead, I fabricated a one transistor CPO (code practice oscillator) in a small plastic box. In place of the key, I used a bent-over paper clip. The whole thing fit in my pants pocket and by flexing a leg muscle, I could communicate in Study Hall. At least when the teacher was on the other side of the cafeteria. Unfortunately he somehow caught on to me and made me stand up and walk over to him. Of course when I did, I went beep every time I took a step! The rest of the Study Hall crew had a good laugh, but the Principal didn't think it was funny at all...

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995

From: burdick@interval.com (Wayne Burdick)
Subject: [5459] Re: NorCal 40A
Message-ID: <199511131750.JAA12289@interval.interval.com>

>This past weekend I added a variable I.F. bandwidth filter to the Norcal 40A
>using the instructions from the article in QRPP. Being able to widen up the
>response is great but I am wondering if there is a way to improve single
>signal reception at the wider IF bandwidths.

Paul, if you go past mid-way on the control, the BFO offset will have to be re-adjusted if you want all of the signal on one side of zero-beat. The '40A has a 50pF BFO adjust trimmer for this purpose. You can actually copy SSB if you make the filter maximally wide, then set the BFO offset for a higher pitch.

You could add a BFO offset switch to the PC board to flip between two variable caps if you think you'll use the maximum bandwidth a lot. Or just find a good compromise BFO setting between the narrow and wide bandwidths. (By the way, you'll note that the TX monitor tone changes pitch when you change the BFO offset. You may have to readjust the TX offset control at the same time.)

Note: expensive rigs with variable bandwidth solve this problem by shifting two signal (at two different mixing stages) at the same time. That way you can widen the filter and change the BFO offset at the same time, but have it seem like the VFO hasn't moved. I don't think there's any way to do this easily on the '40A.

73,
Wayne

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [5468] Re: QRP and Tandy Model 100/102/200 laptops (GEM: main tuning knob)
Message-ID: <Pine.SV4.3.91.951113143840.28860A-100000@atl1>

I still use the model 200 and an Olivetti (that is the same as a 100 or looks to be) to run a nifty grid square program that I took from QEX and the author is W0FY. I would like to have three or four more at very attractive price to use in our RadioActive Schools program.

Jim Stafford, W4QO RadioActive Schools(sm) -
11395 West Road Using amateur radio as

Roswell, GA 30075-2122 a teaching tool in north
404-993-9500 Georgia area schools.
Packet:W4Q0@WA4BR0.#atl.ga.usa.na Internet: w4qo@america.net

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Bob Patten <z002816b@bcfreenet.seflin.lib.fl.us>
Subject: [7] Re: QRP and Tandy Model 100/102/200 laptops (GEM: main tuning knob)
Message-ID: <Pine.3.89.9511140729.B12924-0100000@bcfreenet.seflin.lib.fl.us>

On Mon, 13 Nov 1995, Jim Stafford-W4Q0 wrote:

> I still use the model 200 and an Olivetti (that is the same as a 100 or
> looks to be) to run a nifty grid square program that I took from QEX and
> the author is W0FY. I would like to have three or four more at very
> attractive price to use in our RadioActive Schools program.

>

I have an essentially new Tandy 102 with carrying case, added memory
chip, printer & cassette cable that I don't use. If interested, make me
an offer.

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: jcumming@clark.dgim.doc.ca (Jim Cummings)
Subject: [9] Re: QRP and Tandy Model 100/102/200 laptops (GEM: main tuning knob)
Message-ID: <9511141404.AA27789@clark.dgim.doc.ca>

>Is there anyone else out there who is a QRP fan and who uses one
>of the old Tandy laptops (Model 100, Model 102, or Tandy 200) ??

>

>I would be interested in hearing about any amateur radio applications.

>

I have used a Model 200 extensively when operating digital portable/qrp.
Not only did it have a telephone modem, but it also had RS232 out, allowing
one to operate with any of the garden variety multi-mode controllers such as
the PK232, Kam and MFJ boxes. In fact, it was with a Model 200, PK232, KAM,
Icom 735 and various 2 metre rigs that I was able to give a workshop on
digital communications at the All African Non-government Organization
Conference in Dakar, Senegal in 1987. I demonstrated the advantages and
disadvantages of Baudot, packet and Amtor. In addition, I was able to
demonstrate the ease of set up and portability of low power packet
operation, as well as the training and equipment acquisition concerns.
Furthermore, I gave a live demonstration of an HF/VHF packet gateway,
communicating with a PK232 and a hand held via a HF/VHF Gateway using

another handheld, a Kam and the IC735 to communicate with another station in the Canary Islands. (Even I was impressed with that one!)

One of the big disadvantages with using the Model 200 is the lack of amateur radio programmes because it is not IBM PC compatible. This has put me in a bit of a bind if I wish to operate Clover while portable. (Rumour has it that HAL is eventually coming out with a stand alone box with RS232 connection, so this would no longer be a concern.)

I also have the accompanying disk drive. Unfortunately, the connecting cable has gone astray. Is anyone out know where I could get one? Does Tandy in Fort Worth have an i-net address?

Both the 200 and the drive run on 4 AA batteries, just perfect for digital qrp operation. With a solar panel, recharging is not a concern.

I would certainly be interested in getting some software for it. Rumour has it that someone wrote a Baudot program for in in Basic. Any body out there have it?

But I would recommend this box if you are looking for a cheap, low powered means of getting on digital modes, QRP or otherwise.

```
=====
                Jim Cummings
      eMail:jcumming@clark.dgim.doc.ca
packet:VE3XJ@VE3JF.#EONT.ON.CA.NOAM
      73 and live better digitally
      DON'T GET TOO EXCITED...
      because remember, today is the first
      day of the rest of your life.
=====
```

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: H Smith <hbs@crl.com>
Subject: [5466] Re: QRP antennas
Message-ID: <Pine.SUN.3.91.951113110121.25460A@crl2.crl.com>

On Mon, 13 Nov 1995, Gary R. Hanson wrote:

> In the interest of getting the most rf into and out of the antenna, I have
> wondered whether I would be better off feeding my 40 meter delta loop with
> coax or open-wire feedline. I currently use coax ala the 75 ohm transmission
> line transformer and 50 ohm coax right into the qrp rig. But the line loss
>
> ... etc ...

>

Gary,

The 75 ohm transmission line transfer works fine for the designed frequency of the Delta Loop. Your SWR should not be that high.

Where you get into losses with the coax is when you have a high SWR.

I have 2 delta loops, one for 30 mtrs and one for 40 mtrs. Both work very well on their designed frequencies as well as on higher frequencies.

Both are fed 1/4 wave length down one side from the apex with 450 ohm ladder line. This makes them vertically polarized.

If you feed a delta loop in the center on the bottom, it becomes horizontally polarized.

Here is the differences:

Vertically polarized

Lower angle of radiation. Good DX antenna.

Not as sensitive to height. My 40 mtr D. Loop is only about 14 feet off the ground.

Horizontally polarized

More gain at higher angles of radiation. Good state side antenna.

Sensitive to height, the higher the better.

Here is another interesting thing about delta loops. If the wire at the apex is opened, then it becomes a bi-square antenna on the higher frequency. For example, my 40 mtr loop looks like a bi-square on 20.

Otherwise, without opening the apex, they dont do very well on freqs higher than the designed freq.

BTW, opening the apex has no effect on the pattern and performance at the designed freq.

If you use the Delta loop on other frequencies than the designed frequency, it is best that you use 450 ohm ladder or a good 300 ohm twinlead. You would then use a tuner inside the shack.

I would like to reccomend the book "Low Band Dxing" by John Devolde, ON4UN.

CUL,

Smitty, NA5K

Henry Smith (hbs@crl.com)

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [5470] Re: QRP antennas
Message-ID: <Pine.SUN.3.91.951113132232.25774B-100000@ume>

On Mon, 13 Nov 1995, Gary R. Hanson wrote:

>
> In the interest of getting the most rf into and out of the antenna, I have
> wondered whether I would be better off feeding my 40 meter delta loop with
> coax or open-wire feedline. I currently use coax ala the 75 ohm transmission
> line transformer and 50 ohm coax right into the qrp rig. But the line loss
> is lower with the 300 ohm twin lead, right? But I would have to use a balun
> and a tuner...so does that increase the loss? Wonder if anyone has
> experimented. I get fairly decent reports with the delta loop even
> though it is running through tree branches, is sloped and not vertical and
> does not have equal length sides.

I have done both. Leave the coax in place if you bothered to "prune" the loop to resonance in the first place and only need the single band. There will be no practical difference between this setup and a balanced line tuner approach.

I use the balanced line to a link coupled home brew tuner or the W6EMD modified Z match. (That is, I do not need a balun) The advantage is you can just throw up the loop without fiddling and you get multiband capability.

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Clinical Assistant Professor	*	NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary	*	"Power is no substitute for skill"

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995

From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [5473] Re: QRP antennas
Message-ID: <Pine.SUN.3.91.951113132813.25774C-100000@ume>

>
> BTW, opening the apex has no effect on the pattern and performance at the
> designed freq.

Sorry to disagree here but it may well have a big difference: picking up
a lot more noise in an urban setting because the loop is no longer closed.

It's not the ideal multiband antenna but if you put up a 30 meter loop it
will work well on 40 and 20 and have the expected pattern that you would
anticipate for the 30 m loop. There is gain as you go higher but it is
of a higher angle and likely less useful.

I have played with bi squares with disappointing results (for dx).
Their size means you need a TALL support structure. I found that a
horizontal dipole on top of my 65 foot urban located tower worked better.

>
> If you use the Delta loop on other frequencies than the designed
> frequency, it is best that you use 450 ohm ladder or a good 300 ohm twinlead.
> You would then use a tuner inside the shack.
>
> I would like to recommend the book "Low Band Dxing" by John Devolde,
> ON4UN.
> Smitty, NA5K
>
I agree, a great book.

Dr. Rick Zabrodski BSc, MD, CCFP(E)	*	VE6GK
Clinical Assistant Professor	*	NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary	*	"Power is no substitute for skill"

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [5488] Re: QRP antennas
Message-ID: <Pine.LNX.3.91.951113174106.3994D-100000@dt1.datatamers.com>

Gary,

I have a 40-meter delta loop fed with 72-Ohm transmitting twinlead to a Johnson Matchbox. The only reason I use twinlead is that I feed the loop one-quarter-wavelength down from the apex for vertical polarization and lowest radiation angle. If I were to feed it in a lower corner I would use coax like you did (with the braid going to the horizontal leg of the loop). I figure the unbalance doesn't matter when corner fed, but does when fed up on a leg. The antenna works great from about one hop on out. Its no good under 500 miles or so, depending on conditions. Just what one would expect with low angle radiation.
72, Dave, W6EMD

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: cebik@UTKVX.UTCC.UTK.EDU
Subject: [5467] Re: QRP Month In Review
Message-ID: <Pine.PMDF.3.91.951113083152.543502978A-100000@utkvx.utk.edu>

On Sun, 12 Nov 1995, Robert J. Gobrick wrote:
> QRP-L Supreme Expert
Bob,

I agree with all your comments in your month in review and apprecaite your digest--helps me discover a few things I overlooked in my first reading.

However, I must take issue with the quoted phrase. First of all, the subject of the comment is no more than a learner, like everyone else here, and he has stacks of message printouts full of info he did not previously know.

Second, I know for a fact that he is not a Supreme Expert, since he has only one of their records and does not know who is in the group since Diana Ross left it.

-73-
LB, W4RNL

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [4] RE: QRP+ on BC Band
Message-ID: <Pine.SV4.3.91.951113235659.2504E-100000@atl1>

I agree with Larry. The one that everyone raves about is the GE Superadio III. I don't have one, but I regularly see good comments on

it. I also like the Panasonic B45 which is digital and hence gives good accuracy in tuning. It also tunes continuous to 30 megs and has a BF0. It is often used with QRP transmitter as a portable station. It goes for about \$150 at some of the discount stores like Longs Electronics -the parts store- in Birmingham, AL. Of course the Yacht Boy 400 is everywhere for \$200 and has (I think) 1 Khz freq readout/selection. The Panasonic is 5 Khz but has an RIT on it.

73/72/jim/w4qo

On Fri, 10 Nov 1995, Larry East wrote:

> >Anyone know if there is any thought of having the general coverage
> >range of the QRP+ go from 550 Khz to 30 Mhz. Although, I'm not sure
> >how well AM would come through the 2.4Khz filter.
> >
> There is a high-pass filter just before the first mixer that is intended to
> attenuate everything below about 1.6 MHz or so -- presumably to keep strong
> local BC stations from overloading the receiver. So, you would have to
> retune or eliminate this filter in addition to extending the LO tuning range.
>
> If you want to listen to BC stations, I would suggest you just buy a cheap
> little transistor radio...
>
> 72, Larry W1HUE/7
>
>
>

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: RHILTO@acxiom.com
Subject: [5480] Re: Signing QRP
Message-ID: <ec6a43a0@acxiom.com>

Marshall aa0xi said:

>I was there when the guy tuned up, sent QRL? and called CQ. I
>answered (signed QRP) and he vanished. 30 seconds later I heard him
>calling CQ a few KHz away. Such inferences are always suspect, of
>course, and it may be that he couldn't hear me well enough to copy,
>or he knows me and hates me for some reason....

All possible, of course... but here's another choice: he heard your reply but not well enough to copy clearly, thought you said something like "qsy" (or maybe he thought you misunderstood QRL for QRZ), and

politely moved out of the way.

Not real likely, but there is probably ONE ham out there polite enough to do that.

7.3, ki5ez/qrs
Bob

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: ruswhite@netwest.com (Russell W. White)
Subject: [5487] Re: SS summary
Message-ID: <199511140201.TAA10144@saguaro.netwest.com>

Might as well add me...

>It seems that all the ss cw reports have been sent over the last week,
>so here's a summary based on what I pulled off the net. Accuracy not
>guaranteed, unless otherwise noted it is assumed all were QRP stations.
>

>Call	QSO's	SEC's	Score
AB7JX	18	15	520

>i THINK i GOT EVERY BODY, IF NOT AND YOU WANT TO BE ADDED TO THE LIST
>LET ME KNOW YOUR SCORE. ALSO SEND ANY CORRECTIONS.

>
>73,
>BRIAN AE9K
>
>
>

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: "Ted Kell" <kell@mpac.jsc.nasa.gov>
Subject: [5465] Re: Stores in St Louis
Message-ID: <199511131916.0AA29141@nss2.CC.Lehigh.EDU>

I asked last week for suggestions on stores to visit in St Louis. I got a lot of suggestions, mostly boiling down to Gateway Electronics. I tried to thank each of you that sent a suggestion, but somewhere lost track of who I did and who I didn't thank. So, if you have not received a reply, thank you very much for the info. Now I have to squeeze out the time.

72

Ted Kell

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: rohrwerk@netcom.com (John Seboldt)
Subject: [5448] Re: The R2 and DSP
Message-ID: <199511131532.HAA06030@netcom2.netcom.com>

I second the wish for a DSP setup for the R2. I was just writing Bill, N8ET over the weekend and expressing the same pipedream.

I know it's possible: it's been described in the QST review of the Watkins-Johnson receiver, and in Rohde's articles. We'd certainly want it at least CD-quality (16 bit or better), as the usual DSP outboard boxes have limited dynamic range.

If anybody would pay for my course work and a sabbatical from my real job, I'll do it <ha>.

: John Seboldt rohrwerk@netcom.com / CW: It don't mean a thing
: K0JD... Minneapolis, MN / if it ain't got that swing!
: My R2/T2station described in / Di dah, di dah, di dah, di dah...
> <http://www.lehigh.edu/lists/qrp-1/k0jd/index.html> <

From qrp-1@lehigh.edu Tue Nov 14 14:47:00 1995
From: RHILTO@acxiom.com
Subject: [5452] Re: Won't make Fox on Tuesday
Message-ID: <ec646780@acxiom.com>

I'd love to be a fill-in Fox (or Skunk, depending...) tomorrow (Tuesday)...

Bob Hilton
ki5ez
Little Rock, Ark

----- Reply Separator -----
Subject: Won't make Fox on Tuesday
Author: ji3m@scubed.com (James R. Duffey) at internet